





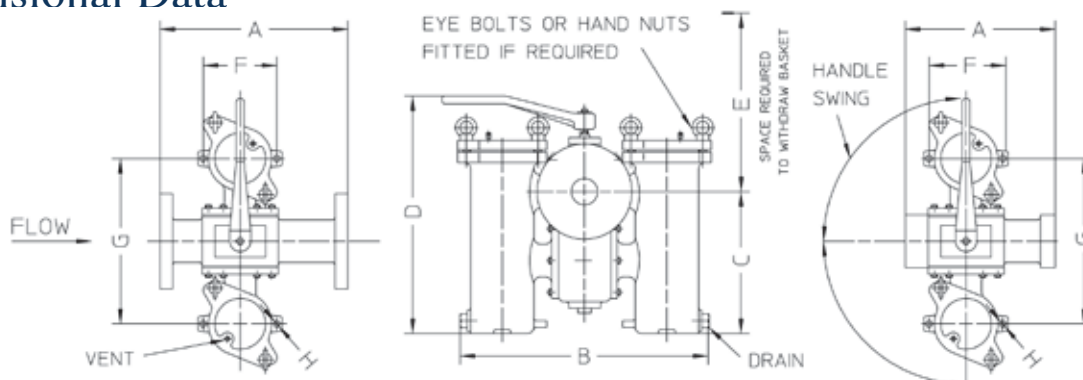
## Application

Duplex Basket Strainers are designed for applications where continuous flow must be maintained whilst cleaning filter baskets. The strainer uses integral 3 way stainless steel ball valves with PTFE seals. This design provides drop tight shutoff eliminating costly and potentially dangerous leakage into the chamber not in use which can occur in some other duplex strainer designs. This also eliminates some problems which can occur in particular suction conditions where in other designs air ingress could occur. All parts of the valve mechanism are accessible after removing the basket chamber without taking the strainer out of the pipeline.

The handle covers the strainer chamber when in use and prevents accidental opening of the filter cover.

- Available in cast iron, bronze, carbon and stainless steel.
- Pipeline sizes from 20mm (3/4") to 200mm (8") (ask for details of sizes above 200mm).
- Available flanged in all common drillings including PN16 and ANSI150 (ANSI300 and 600 on request) and screwed ports both BSP and NPT or socket weld.
- XD range up to 13.8 Barg (pressure stated at 50C, lower pressure at higher temperatures, ask if unsure). Temperature limited by chosen seal. Pressure also limited by flange rating. 200mm and above lower working pressure.
- Large filter baskets areas, manufactured in st. steel 316.
- Various options including differential pressure indicator, magnets and heating jackets.
- Can be coated internally and externally.

## Dimensional Data



| Bore Size | Flanged Filters | Threaded Filters | Common Dimensions (mm) |     |     |     |     |     |    | Basket Area | Mass (dry) |         |
|-----------|-----------------|------------------|------------------------|-----|-----|-----|-----|-----|----|-------------|------------|---------|
|           |                 |                  |                        |     |     |     |     |     |    |             | Flanged    | Screwed |
|           | A               | A                | B                      | C   | D   | E   | F   | G   | H  | CM sq       | kg         | kg      |
| DN20/25   | 178             | 142              | 329                    | 148 | 305 | 243 | -   | 224 | -  | 130         | 21         | 19.8    |
| DN32/40   | 238             | 191              | 284                    | 205 | 377 | 335 | 136 | 260 | 12 | 243         | 33.5       | 31.7    |
| DN50      | 270             | 254              | 468                    | 271 | 471 | 400 | 158 | 310 | 14 | 425         | 55         | 54      |
| DN65      | 343             | 292              | 560                    | 347 | 579 | 538 | 158 | 310 | 14 | 701         | 107.5      | 103     |
| DN80      | 343             | -                | 560                    | 347 | 579 | 538 | 196 | 370 | 14 | 701         | 108        | -       |
| DN100     | 406             | -                | 682                    | 403 | 649 | 637 | 228 | 464 | 17 | 1057        | 169.5      | -       |

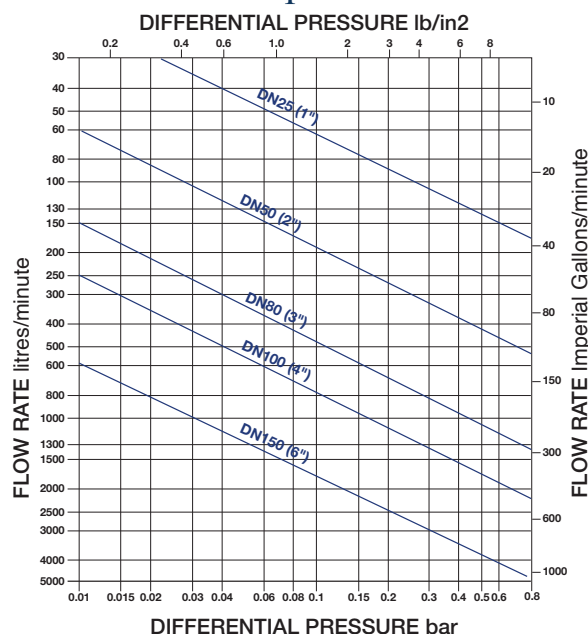
N.B. Table data refers to PN16 & ANSI125/150 only

## Basket and Mesh Data

| Meshes per linear inch | Size of aperture |
|------------------------|------------------|
| 20 mesh                | 0.91mm           |
| 30 mesh                | 0.56mm           |
| 40 mesh                | 0.38mm           |
| 60 mesh                | 0.25mm           |
| 80 mesh                | 0.19mm           |
| 120 mesh               | 0.13mm           |
| 200 mesh               | 0.08mm           |
| 300 mesh               | 0.05mm           |

The chart is for water (1cSt) flowing through a filter with an element coarser than 1 millimetre perforations. For correction factors for varying viscosity/mesh size, please see our Simplex data sheet or consult Oxford Filtration Ltd.

## Flow Chart for Duplex Basket Strainers



Oxford Filtration is a market leading manufacturer and supplier of pipeline strainers including:

- Simplex and duplex basket strainers
- Self-clean filters
- Temporary strainers
- Y type strainers
- Wedge wire elements

All in a vast range of materials, pressures and sizes.  
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